

19990129.ba v02_n404.bam.990129 v02_n405.bam.990129

>From ???@??? Fri Jan 29 03:16:51 1999
Message-Id: <199901290702.BAA19037@sco.theporch.com>
Date: Fri, 29 Jan 1999 01:01:43 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2404

BOATANCHORS Digest 2404

Topics covered in this issue include:

- 1) Re: Battery on Concrete?
by Joe Eide <jeide@execpc.com>
- 2) The Folly of the Orbs
by David Stinson <arc5@ix.netcom.com>
- 3) ADMINISTRIVIA: Posting Admin Requests
by listown@jackatak.theporch.com (Mail List Owner)
- 4) re:AUDIO TRANSFORMER QUALITIES
by Jay Coward <jayc@hpcmr42.sj.hp.com>
- 5) re:batteries on concrete
by Jay Coward <jayc@hpcmr42.sj.hp.com>
- 6) re:AUDIO TRANSFORMER QUALITIES
by "Roberta J. Barmore" <rbarmore@indy.net>
- 7) AUDIO TRANSFORMER WINDER
by "Eugene Rippen" <soundval@foothill.net>
- 8) RE: Nuvistor Question
by "Ed Tanton" <n4xy@mindspring.com>
- 9) RE: Nuvistor Question
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 10) Fair Radio
by Morris Odell <morriso@vifp.monash.edu.au>
- 11) Re: Batteries on Concrete
by Jderm740@aol.com
- 12) Re: Fair Radio
by Dick Dillman <ddillman@igc.apc.org>
- 13) Tektronix Manuals FS/Wanted
by Richard Solomon <w1ks@tiac.net>
- 14) Re: If only Hiram Percy Maxim were still on the ARRL board...
by John Dilks <oldradio@worldnet.att.net>
- 15) Need: Manual for 51J2
by Walt Novinger <wnovinger@home.com>
- 16) Re: If only Hiram Percy Maxim were still on the ARRL board...
by "Mike B. Feher" <n4fs@monmouth.com>
- 17) SCR-510 or SCR-610
by John M Iverson <jackiv@juno.com>
- 18) RE: If only Hiram Percy Maxim were still on the ARRL board...

- by "David Newkirk" <dpnewkirk@home.com>
- 19) WTB Globe King 500C
by "James D. Mayfield" <kb9bnr@revealed.net>
- 20) Re: If only Hiram Percy Maxim were still on the ARRL board...
by Bob/WB0AUQ <brainbol@lawrence.ks.us>
- 21) Re: AUDIO TRANSFORMER PROPERTIES
by "Barry L. Ornitz" <ornitz@tricon.net>
- 22) RE: Nuvistor Question
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 23) 1DH and Sure Fire Circuits
by Jim Hill <jshillw6ivw@earthlink.net>

Date: Thu, 28 Jan 1999 11:06:27 -0600
From: Joe Eide <jeide@execpc.com>
Subject: Re: Battery on Concrete?
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <36B09913.CF922121@execpc.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi Jerry,

I believe that in the early days of auto batteries this may have been a problem. The batteries cases were made of a rubber composite or some such. Today batteries are contained in cases that have a high dielectric value and prevent discharging currents to flow external to the case. I also believe that the best thing for a wet cell is to keep a small float charge applied when not in use. Wet cells have a finite life and heavy charging or discharging affect life. Non use also can affect a wet cell's life by allowing the plates to become covered with a byproduct of the normal chemical action of not charging or discharging (sulfate?) We use several hundred wet cells in our standby power supplies at work and they are mounted on metal or concrete.

These are only my opinions and I may be all wet! :) Joe - KB9R

Jerry Proc wrote:

> Hi Group,
>
> I'm doing some load tests on a used, maintenance-free car battery in
> order to see if it's suitable for use as a BA power source. A friend to
> mine told me not to store the battery on a concrete floor or metal
> surface, otherwise it looses its charge quite rapidly. Placing a 1/4
> inch thickness of wood between the battery and the concrete is all that

> it takes to prevent the discharge from happening. I've never heard of
> this before yet this is supposed to be common knowledge in the battery
> trade.
>
> What happening in the battery when it snuggles up against concrete or
> metal?
>
> --
>
> Regards,
> Jerry Proc VE3FAB jproc@idirect.com
> Web: www3.sympatico.ca/hrc/haida
> HMCS HAIDA Naval Museum, Toronto Ontario

Message-ID: <36B09A25.B4FC57FC@ix.netcom.com>
Date: Thu, 28 Jan 1999 11:11:01 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: The Folly of the Orbs
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Ring's post concerning the piece in "SEAWAYS"
about the miserable unreliability of SATCOMs at sea
should be required reading in every engineering school.
I'll quote "Scotty" again:
"The more complicated they make the plumbing,
the easier it is to stop-up the drain."

Despite the snortings of all the scoffers and
techno-elitists, you cannot exchange a proven system
with five failure modes
for a system with a hundred failure modes
and expect anything but frustration, followed by
eventual and inevitable disaster.

Of course communications systems that do more
then in the past are needed now.
But-- they aren't needed for *every* communication!
Simple, tried and proven-reliable systems can handle a great
deal of essential traffic with perfectly acceptable through-put
and a hundred-fold gain in reliability. Have your SATCOM
system for transmitting megabyte weather and targeting files.
Then have something simple and trustworthy
when your life depends on it.

Alas, no reasoned argument will deflect the fools from their folly.
Their college professors told them that all problems,
no matter how simple, require maximully-complex solutions
using the latest technology. These worshipers of technological
advance adhere to their "religion" more fervently then
any fanatic who ever bowed before a diety.
You cannot talk reason to a religious zealot.
Their answer to the failure of their creations to maintain
reliable communications is to incorporate even more complex
sub-systems, trying to get around the problems.
This is like treating food-poisoning by giving the victim
arsenic. Only the senseless deaths of people closely related
to those in power or huge losses of money will change things.

Until then, some of us must be bearers of the fire.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Message-Id: <199901281715.LAA11416@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTTRIVIA: Posting Admin Requests
Date: Thu, 28 Jan 99 11:15:01 CST

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming
to you, or if you have problems with someone else's mail, PLEASE address
any questions to, and seek help from:

listown@jackatak.theporch.com

There is really no one on the list who can help you with a problem,
and if I don't happen to see your post, nothing will happen, except
you may irritate the other list members... needlessly.

This is *especially* true of the "XXXX YYYY your mail is bouncing, please
send me a good address"

If your mail to this person is bouncing, in all likelihood, either you
have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE
especially not from the list, which is delivered as "Bulk!"

Treat the list as a symposium.

In such an environment, with many folks attending who have paid to be here, it is unlikely you would take up the symposium's resources to solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions to me, the one person who can help, at:

listown@jackatak.theporch.com

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -

listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Thu Jan 28 11:15:01 CST 1999

From: Jay Coward <jayc@hpcmrd42.sj.hp.com>
Message-Id: <9901281733.AA04417@hpcmrd42.sj.hp.com>
Subject: re:AUDIO TRANSFORMER QUALITIES
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 28 Jan 99 9:33:25 PST
Cc: jayc@hpcmrd42.sj.hp.com

Dave and Group,

The ART-13 modulation transformer's core is said to be constructed of KRYPTONITE and that allows for its small size and ability to drive an 813 to full output.

:-) Jay

From: Jay Coward <jayc@hpcmrd42.sj.hp.com>
Message-Id: <9901281757.AA04776@hpcmrd42.sj.hp.com>
Subject: re:batteries on concrete
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 28 Jan 99 9:57:32 PST
Cc: jayc@hpcmrd42.sj.hp.com

Hello group,

My Dad always said don't put the battery on the cement. At the end of summer when we put the boat up for winter storage, he would pull the battery and put it in the cellar on a piece of wood and hook up a trickle charger. He said that during the cold months, the floor (concrete) would be slightly damp and that even trickle charging would cause a film of electrolyte

moisture around the battery and thus if placed on the concrete would form a leakage path to ground

Wive's tale? Don't know. Never heard this from Mom (or Wife).

You be the judge! The battery was always 'good' when we put the battery back in the boat!

73 Jay

Date: Thu, 28 Jan 1999 12:54:47 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: re:AUDIO TRANSFORMER QUALITIES
Message-ID: <Pine.SUN.3.96.990128123939.9228A-1000000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

In re the ART-13, what are the frequency response and distortion specs? My *guess* would be that all Uncle Sam needed was about the same kind of performance as a contemporary telephone. By reducing the LF response and accepting some distortion at normal operating levels, modulation iron can be reduced in size and weight considerably, while still providing acceptable reliability.

...and is that 813 *plate* modulated, or did somebody pick one of the tube elements with holes in it for the job? Grid modulation, in all its various sorts (G1, G2, G3) lets you trade off modulator power for more critical tuning. If we're bolting a rig into a long-distance bomber with a real, AAF-trained radio op aboard, the trade-offs may make good sense.

And old plate-modulated BC transmitter trick is the use of a "modulation choke." No, sir, put that Heising away! There's still a big old transformer on the output of the modulator, but we don't run the RF final's DC through it; instead, we ground one side of the mod. sec., connect the other side through a rather husky HV condenser (tens of uF) to the plate feed to the RF PA. At the junction of the condenser and the feed to the plate (via the plate tank or a big RFC), we then run a *massive* choke back to the B+ line.

Choke's optimized to live happy with DC through it, and keeps the B+ rail (at ground for AF!) from shorting out the modulation; meantime, the mod iron is *lots* better off with only the B+ to the mod tubes (usually P-P) in only one set of windings.

It is still a big, heavy, funky collection of iron, especially at higher powers, but works better than trying to design some kind of oddball crossbreed mod xfr that will address all the requirements of the task.

73,
--Bobbi

You don't have to pay a fortune to get a cold! Check out Bogus for free Internet sneezies! (Paid for by Annoying Adverts, Inc.)

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <009101be4ae9\$0c4a8bc0\$2d0c83cc@soundval.foothill.net>
From: "Eugene Rippen" <soundval@foothill.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <boatanchors@theporch.com>
Subject: AUDIO TRANSFORMER WINDER
Date: Thu, 28 Jan 1999 10:07:19 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was reading the posts Re: Audio Transformer Properties, and was reminded that near the entrance to my storage unit sits a transformer winder. I have been walking around it.

When I bought it, I was thinking "Ooh! What fun! Wind transformers."

Don't remember having taken any weird medication or anything at the time.....but those were my thoughts.

Since then I have remembered winding those back during WW II, when no replacements were available. And, now I read these posts.....

Well! I gave \$100 for this winder. Has forward and backward speed control. Weighs about 100 lbs. Comes with a box of bobbins. And, as if anyone cared, I brought it about 350 miles home.

Have these postings really excited someone?
I will part with it for the \$100 and someone picking it up, here in Auburn, CA. (About 35 mile NE of Sacramento.)

(Honest, Jack, I did not buy this originally for resale.)

Eugene Rippen, 105 Donnington, Auburn, CA 95603

From: "Ed Tanton" <n4xy@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Nuvistor Question
Date: Thu, 28 Jan 1999 13:15:31 -0500
Message-ID: <004701be4aea\$3100eee0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

My tube sub book lists them as direct subs-and in the second entry, list them as: 6CW4/6DS4. Usually an indication that they are VERY close or possibly identical.

///snip

I recently ordered some spare nuvistors for my 2 meter transverter. I asked for 6CW4 tubes, and they sent me 6DS4 tubes. Are these a close enough equivalent to work well in a cascode receiver front end?

///snip

Date: Thu, 28 Jan 1999 13:23:26 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Message-Id: <48206.owen@piper.eeel.nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Nuvistor Question

In message Thu, 28 Jan 1999 13:15:31 -0500,
"Ed Tanton" <n4xy@mindspring.com> writes:

> My tube sub book lists them as direct subs-and in the second entry, list
> them as: 6CW4/6DS4. Usually an indication that they are VERY close or
> possibly identical.

>

> ///snip

> I recently ordered some spare nuvistors for my 2 meter transverter. I
> asked for 6CW4 tubes, and they sent me 6DS4 tubes. Are these a close
> enough equivalent to work well in a cascode receiver front end?

> ///snip

>

These tubes are a fair degree different but use the same socket wiring.

Probably would sub ok as an IF amp but as an RF amp with different Gm's and Plate resistance a realignment would most likely be required. I am looking in the NBS tube tabulation manual at the info. It should also be in some of the older Handbooks from 1960-1969.

73 Jim K4CGY

Message-ID: <36B0DD5C.4A5C3D49@vifp.monash.edu.au>
Date: Fri, 29 Jan 1999 08:57:49 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fair Radio
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Does anyone know if Fair Radio is closed for holidays or perhaps because of the death of one of the Sellati family?

I have emailed and faxed them with an order enquiry but have not received a reply.

While I'm at it, I was looking for a good replacement CRT for my Tek 535A. If anyone has one of these lurking somewhere, I'd be glad to give it a new home...:-)

73 de Morris VK3DOC

From: Jderm740@aol.com
Message-ID: <fea34e3c.36b0e2af@aol.com>
Date: Thu, 28 Jan 1999 17:20:31 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: Batteries on Concrete
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi to all

A lead-acid battery left on concrete will in reasonably short time damage the concrete. It will start a degenerative process by virtue of the sulphuric acid leaching from the battery to the concrete and is a bear to neutralize. A lead-acid battery that is recycled steadily will give off vapors, both chargeing and dischargeing. These vapors will condense on the surface of the battery and slowly work their way down the case and make contact with the

concrete and begin the damage. RAISE THE BATTERY A FEW INCHES OFF THE FLOOR USEING WOOD OR OTHE INERT SUBSTANCES SO AIR CAN FLOW ALL AROUND AND YOU CAN EASILY INSPECT FOR DAMAGE BEFORE IT GOES TOO FAR.

Wash the floor with bakeing soda every so often to try and neutralize the acid attack.

If you look at today's modern cars you find that the battery box is plastic because the metal ones of old rotted away before the car did.

As to temperature. A lead-acid battery is full strength, if fully charged, at 80deg F.

Anything below that power begins to fall off. Not much until you drop into the 30s and below.

As far as frostlines are concerned, that only applies for buried items and not for open trenches like a basement. Especially in northern climates. If you leave home, in the north and set your thermostst to 50deg, for a week, the temp in the basement will be 50deg.

I hope this helps. When I was in the garage service in the 50s we never put batteries on the bare concrete. We used wood at the chargeing stand and we replaced it often because it got saturated withe the sulphuric acid vapor.

Jack Jderm740@aol.com

Date: Thu, 28 Jan 1999 14:49:40 -0800 (PST)
Message-Id: <2.2.16.19990128144847.32af821e@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Re: Fair Radio

At 08:57 AM 1/29/99 +1100, Morris Odell wrote:

>Does anyone know if Fair Radio is closed for holidays or perhaps because
>of the death of one of the Sellati family?

>

>I have emailed and faxed them with an order enquiry but have not
>received a reply.

I just called them today, Morris, and placed an order so they're certainly open for business.

Regards,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO

Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-ID: <01BE4AE7.BD8D2FC0.w1kszt@tiac.net>
From: Richard Solomon <w1kszt@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Tektronix Manuals FS/Wanted
Date: Thu, 28 Jan 1999 17:57:54 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The following manuals are no longer needed. Add \$3.20 for USPS Priority Mail:

53/54C	5.00
CA	8.00
82	10.00
581A	20.00
585	17.00
1L40	10.00

Tek Manuals wanted:

TG-501
PG-506A
SG-503
7A26
7B85
7CT1N
7D15
2213

Tnx es 73, Dick, W1KSZ

Message-ID: <36B1028D.49F6@worldnet.att.net>
Date: Thu, 28 Jan 1999 19:36:29 -0500
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
CC: boatanchors@theporch.com
Subject: Re: If only Hiram Percy Maxim were still on the ARRL board...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
To: Old Tube Radios <boatanchors@theporch.com>

To all,

You might enjoy seeing Hiram Percy Maxim's 1915 Ham Station. I recently discovered a rare 1915 ham radio magazine (pre-dates QST?). The article was written by HPM and includes 2 photos. State-of-the-art for back then.

http://www.ggw.org/awa/page_2 --then click on the article.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-

Date: Thu, 28 Jan 1999 17:43:02 -0700
From: Walt Novinger <wnovinger@home.com>
Message-ID: <3738.990128@home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need: Manual for 51J2
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow Anchorites:

A friend is in need of a manual for the Collins 51J2...anyone have a copy I can buy? Original would be nice, but a good copy would be fine, also. Please advise cost and postage to Calgary, AB Canada.

Best regards,
Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
wnovinger@home.com	

Message-ID: <[019f01be4b41\\$2e5f2f60\\$a71bbfd1@n4fs](mailto:019f01be4b41$2e5f2f60$a71bbfd1@n4fs)>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>

Cc: <boatanchors@theporch.com>
Subject: Re: If only Hiram Percy Maxim were still on the ARRL board...
Date: Thu, 28 Jan 1999 20:38:10 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John & Group

Indeed this publication predates QST. While the ARRL was formed earlier the first issue of QST was readied for publication in October of 1915 but never made it to publication till December 1915. While I have a complete set of QSTs I only have a photocopy of the October 1915 issue as there is only one real one in existence. I was pleased to find out that the recent CD ROM ARRL released of the early QSTs, including the Dec 1915 issue, are of those that at one time were in my collection. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

> You might enjoy seeing Hiram Percy Maxim's 1915 Ham Station. I
>recently discovered a rare 1915 ham radio magazine (pre-dates QST?).

> http://www.ggw.org/awa/page_2 --then click on the article.

>73' John Dilks, K2TQN

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Thu, 28 Jan 1999 19:32:45 CST
Subject: SCR-510 or SCR-610
Message-ID: <19990128.193358.3486.5.jackiv@juno.com>
From: John M Iverson <jackiv@juno.com>

I need ,for a collector buddy, the PE-120 , the PE-117 and the PE-97 .
if any one has any of these items pse repl to me direct tn timer jack

Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

From: "David Newkirk" <dpnewkirk@home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: If only Hiram Percy Maxim were still on the ARRL board...
Date: Thu, 28 Jan 1999 21:03:07 -0500
Message-ID: <000001be4b2b\$83ad4440\$11670518@cc328679-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike Feher wrote:

> While I have a complete set of
> QSTs I only have a photocopy of the October 1915 issue as there
> is only one
> real one in existence.

The 1915-1929 QST CD-ROM another rarity: The "miniature 8-page issue" (it's indexed as April 1919) the ARRL Board paid for out of their own pockets to float the ARRL bond issue.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Message-Id: <3.0.32.19990128202517.00779e4c@revealed.net>
Date: Thu, 28 Jan 1999 20:25:23 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "James D. Mayfield" <kb9bnr@revealed.net>
Subject: WTB Globe King 500C
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been thinking about buying a Globe King 500C, does anyone have one they might like to sell?

73 Dave

Dave Mayfield KB9BNR
Personal Web Page
<http://home.revealed.net/qste/bnr/index.html>

Message-ID: <36B11A46.3053@lawrence.ks.us>
Date: Thu, 28 Jan 1999 20:17:42 -0600
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: If only Hiram Percy Maxim were still on the ARRL board...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,
Don't leave us hangin'. Where is the lone Dec 1915 issue of QST??
--
73,
Bob/WB0AUQ ex WN0AUQ
mailto:brainbol@sunflower.com

From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: AUDIO TRANSFORMER PROPERTIES
Date: Thu, 28 Jan 1999 22:31:02 -0500
Message-ID: <01be4b37\$cba4b60\$414d62d8@ornitz.dpnnet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John Shriver did an excellent job of summing up the needed transformer properties. If you do any additional reading on the subject, some of John's explanations might also be explained as follows:

>You want lots of primary inductance, so that you get good low
>frequency response. That takes copper and iron. Not cheap.

Technically, you want the square root of the product of the primary and secondary inductance to present a much higher impedance than the circuit it is working in.

>You also need enough iron so that you don't get magnetic saturation at
>high output power. You also want good iron that stays reasonably
>linear up to high magnetic flux levels. (The best silicon steel isn't
>cheap.) It has to be in laminations to prevent eddy currents from
>eating all your power.

This is especially true for larger transformers, but for small units, less than 10 watts or so, the physical size of the transformer is mainly determined by the wire size needed to give adequate current handling capability and low losses while providing adequate inductance.

>You want low leakage inductance between the primary and secondary.
>Leakage inductance is basically a way of measuring the flux generated
>by the primary that doesn't do it's work exciting the secondary.

Essentially you want the coupling coefficient between the primary and secondary to as close to unity as possible.

>How is this done? Clever sectionalizing and interleaving of the
>primary and secondary windings. Lots of high quality iron. Clean
>tight windings with no wasted space. Thinner insulations (we're a lot
>better off there than 40 years ago!).

The sectionalizing and interleaving improve the coupling coefficient. This combined with the right shielding and low capacitance can greatly improve the transformers high frequency response.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

Date: Fri, 29 Jan 1999 00:40:50 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: Nuvistor Question
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901290041_MC2-686F-E618@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Steve & Group,

Looking in my new(ly acquired today) RCA RC-22 tube manual, it appears th= at
the simple answer should be "yes". The gross DC ratings and interelectro= de
capacitances are identical. The AC characteristics are generally within 10%. The only major difference that I see is the the cutoff grid voltage= (given as the grid voltage for 10 ua plate current) is -6.8 volts for the= 6DS4 versus -4 volts for the earlier 6CW4. The comment at the top of the= 6DS4 spec page says that because of its cutoff characteristics, the 6DS4 = is
used in circuits to reduce cross-modulation distortion, which I guess is = a
plus. If you don't have a tube manual and want a copy of the two pages,

drop me a note.

I would comment that I don't think that tube (or any other) vendors should
sub like this without notification. Wonder if RCA stamped later 6DS4 boxes
/6CW4? Don't think that I have anything new enough to use a nuvistor.
<grin>

73,
Robert Downs
WA5CAB
Houston, TX

Message-Id: <3.0.5.32.19990128230100.01bf0eb0@earthlink.net>
Date: Thu, 28 Jan 1999 23:01:00 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Hill <jshillw6ivw@earthlink.net>
Subject: 1DH and Sure Fire Circuits
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Received a letter from Keith, VA3HKF, who had acquired a number of 20's era
QSL cards, actually 1923 to 1930. A number of the cards listed the 1DH and
Sure Fire circuits as the transmitter. He wondered what they were.

I have QST's back to 1923, and have reviewed the 20's issues fairly
thoroughly over the past year, and recently purchased the 1915 to 1930 QST
CD ROM. I have only started to look through this data, but have not seen
either circuit. I usually see Hartley, TNT, and Reverse Feedback (I think
it was called).

Does anyone else know about 1DH and Sure Fire? If so, was it mentioned in QST?

Certainly enjoyed Hiram Percy Maxim's station referenced in John Dilk's
recent post. Things have really changed... can you imagine the problems
with your city council when a neighbor complained about that antenna?
73's Jim

End of BOATANCHORS Digest 2404

>From ???@??? Sat Jan 30 09:57:24 1999
Date: Fri, 29 Jan 1999 17:22:06 CST

From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2405
Message-Id: <19990129231156.0C35011336@devel43.theporch.com>

BOATANCHORS Digest 2405

Topics covered in this issue include:

- 1) RE: Batteries on Concrete
by "Jim Berry" <basalop@gte.net>
- 2) Re: If only Hiram Percy Maxim were still on the ARRL board...
by "Mike B. Feher" <n4fs@monmouth.com>
- 3) Re: E. H. Scott SLR-M info needed
by WF2U <mbendror@villagenet.com>
- 4) magazines?
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 5) Re Odenton Hamfest
by philip mccoey <dgnova@erols.com>
- 6) RE: Batteries on Concrete
by Sandra L Knepper <slkst29+@pitt.edu>
- 7) Lead-Acid Battery on concrete
by "Rhett T. George" <rtg@ee.duke.edu>
- 8) FS: Early 70's General Radio Catalogs
by John Poulton <jp@cs.unc.edu>
- 9) Re: Batteries on Concrete
by rfriess@ibm.net
- 10) GR Catalogs SOLD
by John Poulton <jp@cs.unc.edu>
- 11) 813 valve base wanted.
by BEN NOCK <G4BXD@compuserve.com>
- 12) J-36 problem
by "Roberta J. Barmore" <rbarmore@indy.net>
- 13) VHF OSC STABILITY
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 14) Toob Question??
by daniel wright <djwt@unlinfo.unl.edu>
- 15) SX-115 as a CW rx....
by daniel wright <djwt@unlinfo.unl.edu>
- 16) Re: Toob Question??
by John Shriver <jas@shiva.com>
- 17) RE: Toob Question??
by Ed Sieb <esieb@gmsiworld.com>
- 18) RE: Toob Question??
by Ed Sieb <esieb@gmsiworld.com>
- 19) SB-100 Parts rig?
by Glenn Finerman <glennfin@mjet.com>
- 20) Souce for teflon?

- by "Spencer Petri" <spetri@e-tex.com>
- 21) AUDIO TRANSFORMER QUALITIES
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
 - 22) RE: AUDIO TRANSFORMER QUALITIES
by Ed Sieb <esieb@gmsiworld.com>
 - 23) Re: AUDIO TRANSFORMER QUALITIES
by "Mike B. Feher" <n4fs@monmouth.com>
 - 24) Crystal Calibrator for a NC-183D
by Robert Lawson <lawson_r@popmail.firn.edu>
 - 25) SB102 w/distorted receive audio
by "greg anders" <kg6yv@mindspring.com>

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Batteries on Concrete
Date: Thu, 28 Jan 1999 23:23:36 -0800
Message-ID: <003f01be4b58\$492c5540\$7044fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Though I was not the original asker of the problem, a number of you answered MY question.

Why take chances. Slip something under your battery. I would not doubt at all that the earlier batteries spit out juice that got all over the cases. After all they had caps so you could add water. Also I think the cases were a bit more porous. Probably made of Bakelite or some such. The new batteries are of a much improved plastic and sealed. I bet the earlier ones could actually leach right through the cases. The newer ones still must emit hydrogen gas. Whether they do or not, I still fan them before messing around with them. Be the pits having one of them blow up and spew it's contents all over you and your favorite BA. Another reason for having some sort of ventilation. I don't think it would be a good idea to seal the battery up in a tight box.

To do the job really right, you would use a deep cycle battery. I understand the prices on them have come down quite a bit. Remember a battery has a certain life span. Weigh that against the cost. I got mine from a wrecking yard for about \$15. It came from a very late model car, so I had to assume it was in fine shape. I have one of those chargers that keeps a trickle charge on it so I assume I am going to get quite a few years use out of it.

Keep those dynamotors turning. Really a neat sound.

73 Jim K7SLI

Message-ID: <002d01be4b90\$ba171000\$ea1bbfd1@n4fs>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: If only Hiram Percy Maxim were still on the ARRL board...
Date: Fri, 29 Jan 1999 06:07:35 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob & Group -

There are several December 1915 issues around even though only 600 were printed. I had probably about 5 over the years and still have one. The lone issue is the Oct 1915 issue which is essentially the same as the December one except it says October on the cover. A friend of mine has it in his collection and I am not sure if he wants to advertise that fact right now or not so I rather not reveal his name.

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

>Mike,
>Don't leave us hangin'. Where is the lone Dec 1915 issue of QST??
>--
>73,
>Bob/WB0AUQ ex WN0AUQ

Message-Id: <4.1.19990129064654.01196650@villagenet.com>
Date: Fri, 29 Jan 1999 06:57:37 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: WF2U <mbendror@villagenet.com>
Subject: Re: E. H. Scott SLR-M info needed
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello to all,

Many thanks to those who responded and gave me information and offered me schematics. The original pilot light, (after cleaning the base for better visibility) turned out to be a #44. The "patient" is waiting now for a new 25L6 transplant since one of its original ones is causing circulation problems due to an open filament. I think that unless it has some bad capacitors, this should bring the patient back to life.

73's from Meir, WF2U

Collector and user of vintage amateur and military radio equipment.
Collector and user of vintage horse/cavalry equipment. "Boots and Saddles!"

"Boatanchors forever!"

E-mail address: <mailto:mbendror@villagenet.com>mbendror@villagenet.com

Webpage: <http://www.qsl.net/wf2u>

Message-ID: <006c01be4b8b\$172fd2a0\$b95a2299@default>

From: "Paul Bernhard Sr." <w2tu@email.msn.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: magazines?

Date: Fri, 29 Jan 1999 08:27:10 -0500

Hi all;

Just looked over a local silent key's estate and they have many qst,cq and 73 magazines. I don't know if these should go to recycle or what. I'll list general years, some are complete others only partial. If there is any interest I will pursue it further.

QST - 1933-1939 1946-1952 1964-1969

CQ - 1945-1958 1960-1967

Let me know if there is any value or interest in these. I haven't seen them physically but I would think they are in reasonable condition.

Tnx for your help es 73

Paul B. W2TU/NNNOGNB

w2tu@email.msn.com

Message-ID: <36B1E747.6D8C@erols.com>
Date: Fri, 29 Jan 1999 08:52:23 -0800
From: philip mccooy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re Odenton Hamfest
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For info, goto their webb site at <http://www.space4less.com/usr/mmarc>

Date: Fri, 29 Jan 1999 09:16:35 -0500 (EST)
From: Sandra L Knepper <slkst29+@pitt.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>, owner-boatanchors@theporch.com
Subject: RE: Batteries on Concrete
Message-ID: <Pine.GS0.3.96L.990129091444.22783D-100000@unixs2.cis.pitt.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If the speculation by some is that batteries should not be placed on concrete because they may discharge, then, why don't car batteries discharge in the car itself when on their metal case that holds the battery secure?

Dave, W3ST
Publisher of the Collins Journal
Homepage: <http://www.pixi.com/~jenkins/collins>

On Thu, 28 Jan 1999, Jim Berry wrote:

>
> Though I was not the original asker of the problem, a number of you answered
> MY question.
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> Why take chances. Slip something under your battery. I would not doubt at
> all that the earlier batteries spit out juice that got all over the cases.
> After all they had caps so you could add water. Also I think the cases were
> a bit more porous. Probably made of Bakelite or some such. The new
> batteries are of a much improved plastic and sealed. I bet the earlier ones
> could actually leach right through the cases. The newer ones still must
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> I had to assume it was in fine shape. I have one of those chargers that
> keeps a trickle charge on it so I assume I am going to get quite a few years
> use out of it.
>
> Keep those dynamotors turning. Really a neat sound.
>
> 73 Jim K7SLI
>
>
>

From: "Rhett T. George" <rtg@ee.duke.edu>
Date: Fri, 29 Jan 1999 10:33:31 -0500
Message-Id: <199901291533.KAA09325@champ.ee.duke.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Lead-Acid Battery on concrete

- Greetings -

When the question of setting a lead-acid battery on concrete was recently posed, I sent a reply directly. Seeing that others are asking about this, especially about the difference between setting it on concrete vs metal, let me toss out this theory. Folks seem to agree that the acid can migrate over the surface of the battery case. Migration is easiest when the surface is really moist, a fairly common occurrence. Concrete is quite alkaline. Chemicals which cause this alkalinity may migrate (diffuse) equally readily over the case and reach the acid, neutralizing it. This is no good for the battery.

Setting the battery on a metal other than one of the strong alkali metals should make little difference to the battery. Yea, it does wreak havoc on the metal holder.

For my DC supply, the battery sets outside on a slab of redwood off the ground by 8" and underneath a wooden cover. Power is led out from the charger and in to the radio by a 12 V pair passing thru the same panel as the antenna leads.

Next, I must put a 6 V in the same arrangement. It is called for in the construction articles for my regen kit radio which someone

earlier had the please of building. It is a 4-tube, 1926 Silver-Cockaday set with band-switching by changing the tuning coils in pairs. Once I learn on which bands it does work, I can see about making the unusual coil forms and winding some for other frequencies.

73

Rhett - KE4HIH

Date: Fri, 29 Jan 1999 11:38:34 -0500 (EST)
From: John Poulton <jp@cs.unc.edu>
Message-Id: <199901291638.LAA10161@mira.cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Early 70's General Radio Catalogs

Have some General Radio catalogs in quite nice shape that I'd like to find a new home for. They include:

GR Variac Catalog and Applications Handbook (70's)
1969 Supplement to General Radio Catalog T
1973 General Radio Catalog

The latter two have very tasty pictures, descriptions, and pricing on all that beautiful GR test gear that you see at hamfest. Will send to first taker for \$15 + shipping.

73

John Poulton KF4OZY

From: rfriess@ibm.net
Message-ID: <005001be4ba9\$457c8fe0\$5c7d48a6@palm-desert>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>,
<owner-boatanchors@theporch.com>
Subject: Re: Batteries on Concrete
Date: Fri, 29 Jan 1999 09:03:04 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There you go Dave, using logic again.

73,

Bob, N6CM

-----Original Message-----

From: Sandra L Knepper <slkst29+@pitt.edu>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>;
owner-boatanchors@theporch.com <owner-boatanchors@theporch.com>
Date: Friday, January 29, 1999 6:14 AM
Subject: RE: Batteries on Concrete

>If the speculation by some is that batteries should not be placed on
>concrete because they may discharge, then, why don't car batteries
>discharge in the car itself when on their metal case that holds the
>battery secure?

>

>Dave, W3ST

>Publisher of the Collins Journal

>Homepage: <http://www.pixi.com/~jenkins/collins>

>

>On Thu, 28 Jan 1999, Jim Berry wrote:

>

>>

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answered

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>>

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>> all that the earlier batteries spit out juice that got all over the
cases.

>> After all they had caps so you could add water. Also I think the cases
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>> a bit more porous. Probably made of Bakelite or some such. The new
>> batteries are of a much improved plastic and sealed. I bet the earlier
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>> emit hydrogen gas. Whether they do or not, I still fan them before
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>> contents all over you and your favorite BA. Another reason for having
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>> battery up in a tight box.

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>> battery has a certain life span. Weigh that against the cost. I got
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so

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>> keeps a trickle charge on it so I assume I am going to get quite a few years
>> use out of it.
>>
>> Keep those dynamotors turning. Really a neat sound.
>>
>> 73 Jim K7SLI
>>
>>
>>
>
>

Date: Fri, 29 Jan 1999 12:38:01 -0500 (EST)
From: John Poulton <jp@cs.unc.edu>
Message-Id: <199901291738.MAA10391@mira.cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: GR Catalogs SOLD

Thanks for the replies. Sorry I didn't have multiple copies!!

73
John Poulton KF40ZY

Date: Fri, 29 Jan 1999 14:23:15 -0500
From: BEN NOCK <G4BXD@compuserve.com>
Subject: 813 valve base wanted.
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199901291423_MC2-688C-C2D1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

813 valve base wanted.

Ben G4BXD

Date: Fri, 29 Jan 1999 15:00:21 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: J-36 problem
Message-ID: <Pine.SUN.3.96.990129144025.7052A-100000@indy2>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

Went downstairs and tried to get on 20 (turns out not to be a good idea with a severe cold but that's another story you don't need to hear!), and my ol' favorite bug started in doing something I thought I'd cured last time:

The bearings unscrew themselves, despite being locked! The keying gets wilder and wilder and lo, when I go to check, the spindle's floppin' back and forth like a loose tooth.

I don't know what to do. Is this a symptom of excessive wear, and if so, does anyone know if current-production Vibroplex "Original" bearings work okay in these keys? (Spindle wear instead? Horrors!)

(Serious collectors will groan--but I *promise* to keep the Lionel bearings with the key, and it is a fairly common key that I *use.*) (FWIW, there's only one "display" key on my shelf, an honorably-retired japanned-base Original with excessive slop in the dash arm--the holes are ovals. The rest of 'em earn their keep! Personal weirdness, I like things to be useful as well as ornamental).

Want to figure this out, as the Lionel has a very nice, gentle "feel" and was my first commercially-made bug; I've got an early Mac set up next to it but it's got a tougher feel.

Oh, well, the Quickie-Care doc said I'd be best off horizontal & quilt-covered, so that's the next stop. *Cannot* get warm, and it's a beautiful sunny day--talk about bad timing!

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Fri, 29 Jan 1999 15:07:31 -0500 (EST)
Subject: VHF OSC STABILITY
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9901291507.aa14079@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Early FM bdcst radio drift effects were made worse by the relatively narrow limiters & FM detectors. You had to be right on or else lots of noise & distortion.

Modern (ca. late 50s!) FM designs use limiters/detectors a few MHz wide (no this is not the IF bandwidth) to give non-critical tuning *and* superior performance.

-John Sehring (Fri, Jan 29, 1999 @ Custer SD USA) UCC WB2EQG
"Live long and prosper" --John 10:10b

Date: Fri, 29 Jan 1999 14:25:41 -0600 (CST)
Message-Id: <199901292025.0AA08462@unlinfo.unl.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: daniel wright <djw@unlinfo.unl.edu>
Subject: Toob Question??

Greetings!

I have seen in recent adverts, that Svetlana has introduced an "812" tube. What is it? Is it a replacement for the 811, or a completely different animal? I was thinking of replacing the 811As in my Courier amplifier with 572Bs. Maybe the 812 would be suitable?

Thanks a bunch, take care es

73 de Dan -- WA0JRD ..
WPE0DEN
djw@unlinfo.unl.edu
Lincoln, Nebraska

Date: Fri, 29 Jan 1999 14:31:00 -0600 (CST)
Message-Id: <199901292031.0AA09027@unlinfo.unl.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: daniel wright <djw@unlinfo.unl.edu>
Subject: SX-115 as a CW rx....

Hey Folks!

I have asked before about the SX-115's performance on AM. The general response was that it was not much of an AM receiver. How about CW? Of the possible tube-type receivers, how does the '115 stack up?

I was thinking of having one good receiver that I could pair with various CW transmitters that I might like to play with....DX60s....HT40s...etc.

thanks again es

73 de Dan -- WA0JRD ..
WPE0DEN
djw@unlinfo.unl.edu
Lincoln, Nebraska

Date: Fri, 29 Jan 1999 15:39:49 -0500
Message-Id: <199901292039.PAA10511@brill.shiva.com>
From: John Shriver <jas@shiva.com>
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: Toob Question??

812 and 811 are both originally RCA tubes. Very similar, but 811 is zero-bias, and 812 isn't.

Svetlana has full data sheets on their fine WWW page.

Message-ID: <01BE4B9D.BD664F20@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Toob Question??
Date: Fri, 29 Jan 1999 15:40:42 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Dan and gang

The "experts" can correct me, but I believe that the 812 is a slightly lower mu version of an 811, specifically recommended for class C operation, and general RF use. Sort

of
like comparing a 12AU7 to a 12AX7.

A popular rig of the late '40's and early '50's consisted of a pair of 811's
modulating a
pair of 812's.

I'm sure others will have more detailed and exact info.

Ed
VA3ES

Message-ID: <01BE4B9E.5420BC20@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Toob Question??
Date: Fri, 29 Jan 1999 15:44:55 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ah, that's it... I knew I'd overlooked an item: Zero Bias!
Thanks, John!

John Shriver wrote:
> Very similar, but 811 is zero-bias, and 812 isn't.

Ed
VA3ES

Message-Id: <199901292153.PAA26659@sco.theporch.com>
Date: Fri, 29 Jan 1999 16:58:20 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Glenn Finerman <glennfin@mjet.com>
Subject: SB-100 Parts rig?
Cc: baswaplist@foothill.net
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Would the person that had the SB-100 parts
rig please E-mail me again. I lost your message

(My dog ate my homework)

Sorry for the bandwidth folks...

73.....Glenn Finerman K2KL

glennfin@mjet.com

Message-ID: <000101be4be6\$556e3600\$d52519ce@enduser>
From: "Spencer Petri" <spetri@e-tex.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Souce for teflon?
Date: Fri, 29 Jan 1999 16:20:22 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

Can someone direct me to a company that sells various teflon blocks, etc?

TIA,

73 de Pete WA5JCI EM 21

6 Meters WAC - WAS #490 - VUCC #361/634 grids - DXCC/91

2 Meters 36 States - VUCC # 346

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Fri, 29 Jan 1999 17:34:12 -0500 (EST)
Subject: AUDIO TRANSFORMER QUALITIES
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9901291734.aa23642@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Bobbi,

Nice description on choke modulation (non-Heising) scheme.

Where was this seemingly laudable technique used? Ham stuff? Broadcast?

Does it make sense to convert existing plate modulated AM stuff (e.g. Johnson Ranger or Valiant) to this kind of circuit?

-John Sehring (Fri, Jan 29, 1999 @ Custer SD USA) UCC WB2EQG
"Live long and prosper" --John 10:10b

Message-ID: <01BE4BB1.70E987C0@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: AUDIO TRANSFORMER QUALITIES
Date: Fri, 29 Jan 1999 18:01:45 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi John, and gang,

Adding a modulation choke, for what is commonly called "modified heising" configuration to a smaller rig will not improve anything substantially, other than possibly lower the distortion a bit. In broadcast, the use of a modulation choke is designed to take the final B+ off the secondary of the modulation transformer, eliminate saturation and permit the highest possible quality of audio. The typical formula used to determine that actual inductance is 8 Hy - 10 Hy per 1000 ohms of RF impedance. The typically common modulation choke is around 50 Hy at 500 mA. For amateur use, you can get away with 20 Hy or so. The typical "mod iron" in the typical 100 W rig, really won't benefit too much from a modulation choke, since it's already designed to operate without one. The only reason you might want to use a mod. choke in an amateur rig, is when you replaced the original iron with something more Hi-Fi, but with smaller current handling in the secondary.

Ed
VA3ES

-----Original Message-----

From: JOHN SEHRING [SMTP:JOHN_SEHRING.parti@ecunet.org]

Sent: Friday, January 29, 1999 5:34 PM

To: Old Tube Radios

Subject: AUDIO TRANSFORMER QUALITIES

To: boatanchors@theporch.com

Bobbi,

Nice description on choke modulation (non-Heising) scheme.

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"Live long and prosper" --John 10:10b

Message-ID: <015101be4bf5\$ded19360\$ea1bbfd1@n4fs>

From: "Mike B. Feher" <n4fs@monmouth.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: AUDIO TRANSFORMER QUALITIES

Date: Fri, 29 Jan 1999 18:11:36 -0800

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The scheme Bobbi talked about has been around since the 30's. It was, I believe, dominant in RCA broadcast gear. Hams operating AM today often use this technique to minimize core saturation in the mod. transformers as the total DC current through it is minimized. However for existing low power AM rigs like the Ranger and relatives there are simpler ways to make them sound better. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

>Does it make sense to convert existing plate modulated AM stuff (e.g.
>Johnson Ranger or Valiant) to this kind of circuit?

>

> -John

Date: Fri, 29 Jan 1999 17:08:37 -0500
From: Robert Lawson <lawson_r@popmail.firn.edu>
Subject: Crystal Calibrator for a NC-183D
To: Old Tube Radios <boatanchors@theporch.com>
Cc: baswaplist@foothill.net
Message-id: <36B23165.2F9E@popmail.firn.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Fellow BA'ers:

I need suggestions and possibly some circuits for a crystal calibrator for my newly acquired National NC-183D receiver. I have no idea why National did not include one on this excellent BA receiver. I've recalibrated mine, but there is still some slight non-linearity in tuning. A real problem, at least for me. I would like to have a calibrator that would produce a marker signal every 1 megahertz.

Thanks in advance.

Regards,

Robert Lawson WPE4FGR W4RL Pensacola Florida

Message-ID: <002701be4bde\$bc84df40\$a89b56d1@gregande>
From: "greg anders" <kg6yv@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SB102 w/distorted receive audio
Date: Fri, 29 Jan 1999 15:26:01 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I'm working on an SB102 with an interesting and annoying audio problem on receive. The audio is moderately distorted. I can tune in stations on LSB and USB but when I do the audio sounds very rough and raspy. Also, the calibrator signal seems to exhibit some audio distortion. I've changed the 6GW8 and the product detector tube to no avail. Anyone ever seen anything like this in an SB102 or have any ideas???

Greg Anders

greg_anders@mindspring.com
kg6yv@mindspring.com

End of BOATANCHORS Digest 2405
